UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,000	08/29/2003	Donato S. Diorio	001-210	1999

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EXAMINER
HWANG, JOON H

ART UNIT	PAPER NUMBER
2166	

DATE MAILED: 08/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>08 June 2006</u>.

2a)☒ This action is **FINAL.**   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>21-31</u> is/are pending in the application.

    4a) Of the above claim(s) <u>1-20</u> is/are ~~withdrawn from consideration~~. *Canceled*

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>21-31</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>08 June 2006</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   The applicants canceled claims 1-20 and added new claims 21-31 in the

amendment received on 6/8/06.

The pending claims are 21-31.

Response to Arguments

2.   Applicant's arguments with respect to claim 21 have been considered but are

moot in view of the new ground(s) of rejection.

"Prima facie case of obviousness is established when **teachings of prior art**

appear to suggest claimed subject matter to person of ordinary skill in art; it is

incumbent upon applicant to go forward with objective evidence of unobviousness once

prima facie case is established." In re Rinehart (CCPA) 189 USPQ 143 Decided Mar.

11, 1976 No. 75-608 U.S. Court of Customs and Patent Appeals. The applicants failed

to provide such evidence.

Claim Objections

3.   Claims 21 and 23-31 are objected to because of the following informalities:

- "electronically" in 1st line of claim 21 should be "electronic";

- "conjunction parts" in 2nd line of claim 21 should be "component parts";

- "includes" in 4th line of claim 21 should be "include";

- "includes" in 1st line of claims 23-31 should be "include"; and

- "a postal databases" in 1st line of claim 29 should be "a postal database".

Appropriate correction is required.

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5.   Claims 21, 23-28, and 30-31 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Ravin et al. (U.S. Patent No. 5,819,265) in view of Yuret (U.S. Patent

No. 6,957,213).

With respect to claim 21, Ravin teaches a system for extracting data from

electronically sources (i.e., a system for extracting proper names from documents, lines

1-15 in col. 3, lines 26-38 in col. 5, and fig. 1). Ravin teaches a processing system

using a plurality of component parts working in conjunction producing extraction results

(i.e., name extraction processor 300 using a plurality of component parts, such as

authority list 125 and tokenizer 115 in fig. 1, and producing extracted proper names,

lines 1-5 and 26-55 in col. 5). Ravin teaches the conjunction parts including a plurality

of databases (i.e., one or more databases 130 storing a dictionary or list of names 130A

in fig. 1, lines 52-67 in col. 4 and lines 44-50 in col. 3) and a plurality of algorithms (lines

37-47 in col. 14, lines 26-55 in col. 5, lines 18-36 in col. 6, line 61 in col. 9 thru line 45 in

col. 10, lines 18-31 in col. 18, and line 62 in col. 16 thru line 18 in col. 17). Ravin

teaches the algorithms include an extraction algorithm (i.e., name extraction process

300, lines 37-47 in col. 14, lines 26-55 in col. 5, lines 18-36 in col. 6, and line 61 in col. 9

thru line 45 in col. 10), a substring scoring algorithm (i.e., if a substring is an

organization word, return a negative score, lines 18-31 in col. 18 and line 62 in col. 16

thru line 18 in col. 17), and a final name scoring algorithm (i.e., analyzing all

substrings/parts of a name element and if the confidence score is high enough, then the

entity-type (person, organization, place, etc) is assigned to the name element, line 62 in

col. 16 thru line 18 in col. 17). Ravin further discloses a special word for extracting

proper names (lines 39-55 in col. 5 and lines 30-34 in col. 8). Ravin does not explicitly

disclose a plurality of user interface elements. However, Yuret teaches a plurality of

user interface elements used in identifying proper names in a text (i.e., manually

modifying scores, line 63 in col. 6 thru line 29 in col. 7, lines 28-53 in col. 8), wherein the

user interface elements include a substring score threshold increments user interface

element (i.e., manually increasing a score for a term, line 63 in col. 6 thru line 29 in col.

7, lines 28-53 in col. 8), a substring score decrements user interface element (i.e.,

manually decreasing a score for a term, line 63 in col. 6 thru line 29 in col. 7, lines 28-53

in col. 8), and a substring score special cases user interface element (manually

modifying scores for terms that would include a special word, line 63 in col. 6 thru line

29 in col. 7, lines 28-53 in col. 8) in order to enhance a domain-specific scoring process.

Therefore, based on Ravin in view of Yuret, it would have been obvious to one having

ordinary skill in the art at the time the invention was made to utilize the teaching of Yuret

to the system of Ravin in order to enhance a domain-specific scoring process.

. With respect to claim 23, Ravin teaches a names database (i.e., a database storing a list of names, lines 39-55 in col. 5 and line 62 in col. 6 thru line 4 in col. 7).

With respect to claim 24, Ravin teaches an additional words database (i.e., a database of a list of special words, lines 39-55 in col. 5).

With respect to claim 25, Ravin teaches a titles database (i.e., a database storing a list of titles, lines 39-55 in col. 5).

With respect to claim 26, Ravin teaches a plurality of small database (i.e., one or more databases 130 storing a dictionary or list of names 130A in fig. 1, lines 52-67 in col. 4 and lines 44-50 in col. 3).

With respect to claim 27, Ravin teaches a famous people database (i.e., a database storing a list of names of people, which include a famous people, such as President Clinton, Martin Luther King Jr., Queen Elizabeth II., etc, lines 55-64 in col. 1, line 3 in col. 16, and lines 37-53 in col. 17).

With respect to claim 28, Ravin teaches a historic figure database (i.e., a database storing a list of names of famous people as discussed above in claim 8 or a list of names of places that are historic, such as The White House, Paris France, etc., lines 19-24 in col. 2 and lines 6-14 in col. 16).

With respect to claim 30, Ravin teaches a direction database (i.e., a database storing geographical modifiers, such as north, lines 39-42 in col. 10 and lines 39-55 in col. 5).

With respect to claim 31, Ravin teaches a time database (i.e., a database storing a list of dates, lines 39-55 in col. 5).

6.   Claims 22 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Ravin et al. (U.S. Patent No. 5,819,265) in view of Yuret (U.S. Patent No.

6,957,213), and further in view of Himmelstein et al. (U.S. Patent No. 6,701,307).

With respect to claim 22, Ravin and Yuret disclose the claimed subject matter as

discussed above except the source is a website. However, Himmelstein teaches the

source is a website (i.e., spidering web pages, lines 36-39 in col. 1, lines 44-50 in col. 3,

and lines 21-24 in col. 4) in order to increase scalability of data sources. Therefore,

based on Ravin in view of Yuret, and further in view of Himmelstein, it would have been

obvious to one having ordinary skill in the art at the time the invention was made to

utilize the teaching of Himmelstein to the system of Ravin in order to increase scalability

of data sources.

With respect to claim 29, Ravin and Yuret disclose the claimed subject matter as

discussed above except a postal database. Himmelstein teaches a postal database

used for extracting a street address (i.e., an address extractor uses an auxiliary table,

lines 56-63 in col. 5, lines 19-60 in col. 6, and lines 30-43 in col. 3) in order to improve

searching of documents. Therefore, based on Ravin in view of Yuret, and further in

view of Himmelstein, it would have been obvious to one having ordinary skill in the art at

the time the invention was made to utilize the teaching of Himmelstein to the system of

Ravin in order to improve searching of documents.

Conclusion

7.   Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.
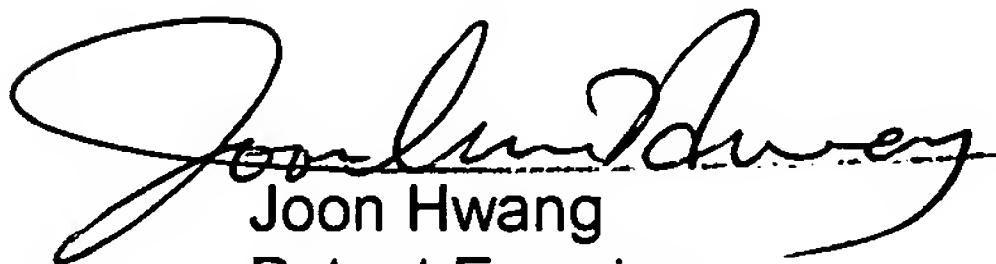
8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joon H. Hwang whose telephone number is 571-272-4036. The examiner can normally be reached on 9:30-6:00(M~F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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Business Center (EBC) at 866-217-9197 (toll-free).

Joon Hwang
Patent Examiner
Technology Center 2100

8/18/06